REMARKS

Reconsideration and allowance of this application are respectfully requested in light of the above amendments and the following remarks.

Claims 6 and 7 have been deemed directed to allowable subject matter. Accordingly, claims 6 and 7 have been rewritten in independent form and to improve the clarity thereof, by eliminating double recitation of the functions for the communication terminal and the base station, given that, for example, claims 5 and 6 recited some of the same functions of the communication terminal apparatus. All of the amendments of claims 6 and 7 are deemed to be non-narrowing and no estoppel should be deemed to attach thereto.

In accordance with an agreement reached with the Examiner on August 7, 2002 regarding allowable claims, claim 8 is hereby amended to recite steps corresponding to those of the elements of the communication terminal apparatus from claim 6. Amended claim 8 is considered to be allowable over Fukawa because Fukawa lacks the steps of claim 8 directed to operating a base station apparatus to obtain a tap coefficient in association with an uplink signal transmitted from a communication terminal apparatus; and operating the communication terminal apparatus to receive a downlink signal containing the tap coefficient from the base station apparatus and

to perform an equalizing operation on the received data while updating tap coefficients, according to an adaptive algorithm for updating the tap coefficients using, as an initial value, the tap coefficient received from the base station apparatus. Claims 9 and 10 are allowable due to their dependence from claim 8 and also due to their recitation of subject matter that provides an independent basis for their individual allowability.

Claims 11-13 have been added to augment the scope of protection for this invention. These claims are deemed allowable for similar reasons that claims 6 and 7 are allowable.

In light of the foregoing, it is respectfully submitted that the present application is in condition for allowance, and a notice to that effect is respectfully solicited.

If any issues remain which may best be resolved through a telephone communication, the Examiner is requested to telephone the undersigned at the local Washington, D.C. telephone number listed below.

Respectfully submitted,

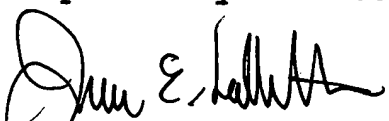

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Exhibit I

6. (Twice Amended) A communication terminal apparatus for use in a radio communication system [according to claim 5], wherein the radio communication system comprises a base station apparatus that transmits a downlink signal containing a tap coefficient obtained in association with an uplink signal, the communication terminal apparatus comprising:

a receiver that receives the downlink signal containing the tap coefficient obtained in the base station apparatus in association with the uplink signal; and

an equalizer that performs [said] equalizing on received data contained in the downlink signal received by the receiver, while updating tap coefficients, according to an adaptive algorithm for updating the tap coefficients using, as [said] an initial value, the tap coefficient received in said downlink signal.

7. (Amended) A base station apparatus for use in a radio communication system [according to claim 5], wherein the radio communication system comprises a communication terminal apparatus that transmits an uplink signal, receives a downlink signal containing a tap coefficient, and performs equalizing on received data contained in the downlink signal while updating tap coefficients using, as an initial value, the tap coefficient

transmitted in the downlink signal, the base station apparatus comprising:

a calculator that obtains said tap coefficient for use as an initial value of an adaptive algorithm employed in the communication terminal apparatus, in association with the uplink signal from the communication terminal apparatus; and

a transmitter that transmits the downlink signal containing the tap coefficient obtained by the calculator to the communication terminal apparatus.

8. (Amended) An equalizing method [comprising] for use in a radio communication system comprising a base station apparatus and a communication terminal apparatus, the equalizing method comprising:

operating the base station apparatus to obtain a tap coefficient in association with an uplink signal transmitted from the communication terminal apparatus; and

operating [a] the communication terminal apparatus to receive a downlink signal containing [a] said tap coefficient from [a] the base station apparatus and to [start] perform an equalizing operation on said received data [in said downlink signal after receiving said tap coefficient contained in said downlink signal from said base station apparatus,] while updating tap coefficients,

according to an adaptive algorithm for updating the tap coefficients using, as an initial value, the tap coefficient received from said [and operating the] base station apparatus [to obtain said tap coefficient in association with an uplink signal transmitted from the communication terminal apparatus].